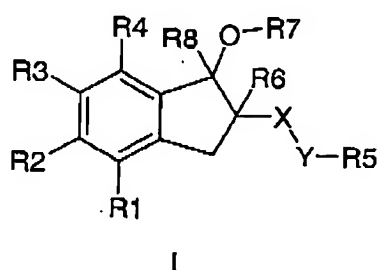


AMENDMENTS TO THE CLAIMS

This listing of claims will replace all the prior versions and listings of claims in the application:

Claim 1. (Currently amended). A compound of the formula I,



In which

R1, R2, R3, R4, independently of one another, are H, F, Cl, Br, I, [O]CN, N₃, NO₂, OH, O-(C₁-C₈)-alkyl, O-(C₃-C₈)-cycloalkyl, O-CH₂-phenyl, O-phenyl, O-CO-(C₁-C₈)-alkyl, O-CO-(C₃-C₈)-cycloalkyl, where in the alkyl radicals up to seven hydrogen atoms may be replaced by fluorine;

S(O)₀₋₂-(C₁-C₈)-alkyl, S(O)₀₋₂-(C₃-C₈)-cycloalkyl, where in the alkyl radicals up to seven hydrogen atoms may be replaced by fluorine;

NH₂, NH-(C₁-C₈)-alkyl, NH-(C₃-C₈)-cycloalkyl, N[(C₁-C₈)-alkyl]₂, N[(C₃-C₈)-cycloalkyl]₂, NH-CO-(C₁-C₈)-alkyl, NH-CO-(C₃-C₈)-cycloalkyl;

SO₃H, SO₂-NH₂, SO₂-NH-(C₁-C₈)-alkyl, SO₂-NH-(C₃-C₈)-cycloalkyl; SO₂-(C₁-C₆)-alkyl;

NH-S O₂-NH₂; NH-SO₂-(C₁-C₈)-alkyl, NH-SO₂-(C₃-C₈)-cycloalkyl; O-CH₂-COOH, O-CH₂-CO-O-(C₁-C₈)-alkyl, COOH, COO-(C₁-C₈)-alkyl, CO-O-(C₃-C₈)-cycloalkyl, CO-NH₂, CO-NH-(C₁-C₈)-alkyl, CO-N[(C₁-C₈)-alkyl]₂

(C₁-C₈)-alkyl, (C₃-C₈)-cycloalkyl, (C₂-C₈)-alkenyl, (C₂-C₈)-alkynyl, where in the

alkyl, alkenyl, and alkynyl groups one to seven hydrogen atoms may be replaced by fluorine;

or one hydrogen may be replaced by OH, OC(O)CH₃, O-CH₂-Ph, NH₂, NH-CO-CH₃ or N(COOCH₂Ph)₂

phenyl, 1- or 2-naphthyl,

where the aryl radical may be substituted up to two times by

F, Cl, Br, CN,

OH, (C₁-C₄)-alkyl, CF₃, O-(C₁-C₄)-alkyl,

S(O)₀₋₂(C₁-C₆)-alkyl, NH₂, NH-SO₂-(C₁-C₄)-alkyl;

COOH, CO-O-(C₁-C₄)-alkyl, CO-NH₂ and where in the alkyl groups one to seven hydrogen atoms may be replaced by fluorine;

X is S;

Y is (CH₂)_p, where p maybe 0, 1, 2 or 3;

R5 is (C₁-C₁₈)-alkyl, (C₃-C₄)-cycloalkyl, (C₆-C₈)-cycloalkyl,

where in the alkyl groups up to seven hydrogen atoms may be replaced by fluorine;

(CH₂)₁₋₆-COOH, (CH₂)₁₋₆-COO-(C₁-C₆)-alkyl, (CH₂)₁₋₆-CONH₂

CH₂-CH(NHR₁₀)-COR₁₁, where R₁₀ may be H or C(O)-(C₁-C₆)-alkyl and R₁₁ may be OH, O-(C₁-C₆)-alkyl or NH₂;

phenyl, 1- or 2-naphthyl, or biphenyl, where the rings or ring systems are in each case substituted up to three times by

F, Cl, Br, I, CN, OH, O(C₁-C₈)-alkyl, O(C₃-C₈)-cycloalkyl, O-CO-(C₁-C₈)-alkyl, O-CO-(C₃-C₈)-cycloalkyl, S(O)₀₋₂(C₁-C₈)-alkyl, S(O)₀₋₂(C₃-C₈)-cycloalkyl, NH₂, NH-(C₁-C₈)-alkyl, NH-(C₃-C₈)-cycloalkyl, N[(C₁-C₈)-alkyl]₂, N[(C₃-C₈)-cycloalkyl]₂, NH-CO-(C₁-C₈)-alkyl, NH-CO-(C₃-C₈)-cycloalkyl, SO₃H; SO₂-NH₂, SO₂-NH-(C₁-C₈)-alkyl, SO₂-NH-(C₃-C₈)-cycloalkyl, NH-SO₂-NH₂; NH-SO₂-(C₁-C₈)-alkyl, NH-SO₂-(C₃-C₈)-cycloalkyl; O-CH₂-COOH, O-CH₂-CO-O(C₁-C₈)-alkyl, COOH, CO-O(C₁-C₈)-alkyl, CO-O-(C₃-C₈)-cycloalkyl, CO-NH₂, CO-NH(C₁-C₈)-alkyl, CO-N[(C₁-C₈)-alkyl]₂;

(C₁-C₈)-alkyl, or (C₃-C₈)-cycloalkyl, where in the alkyl groups in each case one to seven hydrogen atoms may be replaced by fluorine;

- R6 is $(\text{CH}_2)_{0-6}\text{-R9}$, $(\text{CH}_2)_{0-6}\text{-COOH}$, $(\text{CH}_2)_{0-6}\text{-COO-(C}_1\text{-C}_6\text{)-alkyl}$, $(\text{CH}_2)_{0-6}\text{-CONH}_2$, $(\text{CH}_2)_{0-6}\text{-CH(NHR15)-COR16}$, F, Cl, Br, CN, $(\text{C}_1\text{-C}_{18})\text{-alkyl}$, $(\text{C}_3\text{-C}_4)\text{-cycloalkyl}$, $(\text{C}_6\text{-C}_8)\text{-cycloalkyl}$, where in the alkyl radicals or cycloalkyl radicals, up to seven hydrogen atoms may be replaced by fluorine;
- R15 is H, $\text{C(O)-(C}_1\text{-C}_6\text{)-alkyl}$;
- R16 is OH, $\text{O-(C}_1\text{-C}_6\text{)-alkyl}$, NH_2
- R7 is $(\text{CH}_2)_{0-4}\text{-R12}$, H, $(\text{C}_1\text{-C}_{12})\text{-alkyl}$, $(\text{C}_3\text{-C}_4)\text{-cycloalkyl}$, $(\text{C}_6\text{-C}_8)\text{-cycloalkyl}$, $\text{COO(C}_1\text{-C}_6\text{)-alkyl}$, $\text{COO(C}_3\text{-C}_8\text{)-cycloalkyl}$, where in the alkyl radicals or cycloalkyl radicals up to seven hydrogen atoms may be replaced by fluorine;
- R 8 is $(\text{CH}_2)_{0-4}\text{-R14}$, $(\text{C}_1\text{-C}_{12})\text{-alkyl}$, $(\text{C}_3\text{-C}_4)\text{-cycloalkyl}$, $(\text{C}_6\text{-C}_8)\text{-cycloalkyl}$, where in the alkyl or cycloalkyl radicals up to seven hydrogen atoms may be replaced by fluorine atoms;

R9, R12, R14 independently of one another are

phenyl, 1- or 2-naphthyl, or biphenyl, where the rings or ring systems are in each case substituted up to three times by

F, Cl, Br, I, CN, OH, $\text{O(C}_1\text{-C}_8\text{)-alkyl}$, $\text{O(C}_3\text{-C}_8\text{)-cycloalkyl}$, $\text{O-CO-(C}_1\text{-C}_8\text{)-alkyl}$, $\text{O-CO-(C}_3\text{-C}_8\text{)-cycloalkyl}$, $\text{S(O)}_{0-2}\text{(C}_1\text{-C}_8\text{)-alkyl}$, $\text{S(O)}_{0-2}\text{(C}_3\text{-C}_8\text{)-cycloalkyl}$, NH_2 , $\text{NH-(C}_1\text{-C}_8\text{)-alkyl}$, $\text{NH-(C}_3\text{-C}_8\text{)-cycloalkyl}$, $\text{N[(C}_1\text{-C}_8\text{)-alkyl]}_2$, $\text{N[(C}_3\text{-C}_8\text{)-cycloalkyl]}_2$, $\text{NH-CO-(C}_1\text{-C}_8\text{)-alkyl}$, $\text{NH-CO-(C}_3\text{-C}_8\text{)-cycloalkyl}$, SO_3H ; $\text{SO}_2\text{-NH}_2$, $\text{SO}_2\text{-NH-(C}_1\text{-C}_8\text{)-alkyl}$, $\text{SO}_2\text{-NH-(C}_3\text{-C}_8\text{)-cycloalkyl}$, $\text{NH-SO}_2\text{-NH}_2$; $\text{NH-SO}_2\text{(C}_1\text{-C}_8\text{)-alkyl}$, $\text{NH-SO}_2\text{(C}_3\text{-C}_8\text{)-cycloalkyl}$; $\text{O-CH}_2\text{-COOH}$, $\text{O-CH}_2\text{-CO-O(C}_1\text{-C}_8\text{)-alkyl}$, COOH , $\text{CO-O(C}_1\text{-C}_3\text{)-alkyl}$, $\text{CO-O-(C}_3\text{-C}_8\text{)-cycloalkyl}$, CO-NH_2 , $\text{CO-NH(C}_1\text{-C}_8\text{)-alkyl}$, $\text{CO-N[(C}_1\text{-C}_8\text{)-alkyl]}_2$; $(\text{C}_1\text{-C}_8\text{)-alkyl}$, or $(\text{C}_3\text{-C}_8\text{)-cycloalkyl}$, where in the alkyl groups in each case one to seven hydrogen atoms may be replaced by fluorine;

and its physiologically acceptable salts.

Claim 2. (Previously presented). A compound of the formula I as claimed in claim 1 in

which R1, R2, R3, R4, independently of one another, are H, F, Cl, Br, N3, O(C₁-C₈)-alkyl, or (C₁-C₈)-alkyl and where in the alkyl groups one to seven hydrogen atoms may be replaced by fluorine;

where in each case at least one of the radicals R1, R2, R3 and R4 is different from hydrogen;

X is S;

Y is (CH₂)_p, where p may be 0, 1, 2, or 3;

R5 is (C₁-C₁₈)-alkyl, (C₃-C₄)-cycloalkyl, (C₆-C₈)-cycloalkyl, where in the alkyl groups up to seven hydrogen atoms may be replaced by fluorine;
(CH₂)₁₋₆-COOH, (CH₂)₁₋₆-COO-(C₁-C₆)-alkyl, (CH₂)₁₋₆-CONH₂

CH₂-CH(NHR₁₀)-COR₁₁, where R₁₀ may be H or C(O)-(C₁-C₆)-alkyl and R₁₁ may be OH, O-(C₁-C₆)-alkyl or NH₂;

phenyl, 1- or 2-naphthyl, or biphenyl, where the rings or ring systems are in each case substituted up to three times by

F, Cl, Br, I, CN, OH, O(C₁-C₈)-alkyl, O(C₃-C₈)-cycloalkyl, O-CO-(C₁-C₈)-alkyl, O-CO-(C₃-C₈)-cycloalkyl, S(O)₀₋₂(C₁-C₈)-alkyl, S(O)₀₋₂(C₃-C₈)-cycloalkyl, NH₂, NH-(C₁-C₈)-alkyl, NH-(C₃-C₈)-cycloalkyl, N[(C₁-C₈)-alkyl]₂, N[(C₃-C₈)-cycloalkyl]₂, NH-CO-(C₁-C₈)-alkyl, NH-CO-(C₃-C₈)-cycloalkyl, SO₃H; SO₂-NH₂, SO₂-NH-(C₁-C₈)-alkyl, SO₂-NH-(C₃-C₈)-cycloalkyl, NH-SO₂-NH₂; NH-SO₂-(C₁-C₈)-alkyl, NH-SO₂-(C₃-C₈)-cycloalkyl; O-CH₂-OOH, O-CH₂-CO-O-(C₁-C₈)-alkyl, COOH, CO-O-(C₁-C₈)-alkyl, CO-O-(C₃-C₈)-cycloalkyl, CO-NH₂, CO-NH(C₁-C₈)-alkyl, CO-N[(C₁-C₈)-alkyl]₂;

(C₁-C₈)-alkyl, or (C₃-C₈)-cycloalkyl, where in the alkyl groups in each case one to seven hydrogen atoms may be replaced by fluorine;

R6 (CH₂)₀₋₆-R₉, (CH₂)₀₋₆-COOH, (CH₂)₀₋₆-COO-(C₁-C₆)-alkyl, (CH₂)₀₋₆-CONH₂, (CH₂)₀₋₆-CH(NHR₁₅)-COR₁₆, F, Cl, Br, CN, (C₁-C₁₈)-alkyl, (C₃-C₄)-cycloalkyl, (C₆-C₈)-cycloalkyl, where in the alkyl radicals or cycloalkyl radicals up to seven hydrogen atoms may be replaced by fluorine;

R15 is H, C(O)-(C₁-C₆)-alkyl;

- R16 is OH, O-(C₁-C₆)-alkyl, NH₂;
- R7 is (CH₂)₀₋₄-R12, H, (C₁-C₁₂)-alkyl, (C₃-C₄)-cycloalkyl, (C₆-C₈)-cycloalkyl, COO(C₁-C₆)-alkyl, COO(C₃-C₈)-cycloalkyl, where in the alkyl radicals or cycloalkyl radicals up to seven hydrogen atoms may be replaced by fluorine;
- R8 is (CH₂)₀₋₄-R14, (C₁-C₁₂)-alkyl, (C₃-C₄)-cycloalkyl, (C₆-C₈)-cycloalkyl, where in the alkyl or cycloalkyl radicals up to seven hydrogen atoms may be replaced by fluorine atoms;

R9, R12, R14 independently of one another are

phenyl, 1- or 2-naphthyl, or biphenyl, where the rings or ring systems are in each case substituted up to three times by

F, Cl, Br, I, CN, OH, O(C₁-C₈)-alkyl, O(C₃-C₈)-cycloalkyl, O-CO-(C₁-C₈)-alkyl, O-CO-(C₃-C₈)-cycloalkyl, S(O)₀₋₂ (C₁-C₈)-alkyl, S(O)₀₋₂ (C₃-C₈)-cycloalkyl, NH₂, NH-(C₁-C₈)-alkyl, NH-(C₃-C₈)-cycloalkyl, N[(C₁-C₈)-alkyl]₂, N[(C₃-C₈)-cycloalkyl]₂, NH-CO-(C₁-C₈)-alkyl, NH-CO-(C₃-C₈)-cycloalkyl, SO₃H, SO₂-NH₂, SO₂-NH-(C₁-C₈)-alkyl, SO₂-NH-(C₃-C₈)-cycloalkyl, NH-SO₂-NH₂, NH-SO₂-(C₁-C₈)-alkyl, NH-SO₂-(C₃-C₈)-cycloalkyl; O-CH₂-COOH, O-CH₂-CO-O(C₁-C₈)-alkyl, COOH, COO(C₁-C₃)-alkyl, CO-O-(C₃-C₈)-cycloalkyl, CO-NH₂, CO-NH(C₁-C₈)-alkyl, CO-N[(C₁-C₈)-alkyl]₂;

(C₁-C₈)-alkyl, (C₃-C₈)-cycloalkyl, where in the alkyl groups in each case one to seven hydrogen atoms may be replaced by fluorine;

and its physiologically acceptable salts.

Claim 3. (canceled)

Claim 4. (original) A pharmaceutical composition comprising one or more compounds as claimed in claim 1 and a pharmaceutically acceptable carrier.

Claim 5. (original) The pharmaceutical composition according to claim 4, further comprising one or more active compounds for reducing weight in mammals.

Claim 6. (original) A method for reducing weight in mammals, comprising administering to said mammal a compound of formula I as claimed in claim 1.

Claim 7. (original) A method of treating obesity, comprising administering to a subject in need thereof, an effective amount of a compound of formula I as claimed in claim 1.

Claim 8. (original) The method of claim 7, further comprising administering one or more active compounds for reducing weight in mammals.

Claims 9-10. (canceled)

Claim 11. (original) A method of maintaining weight loss, comprising administering to a subject in need thereof, an effective amount of a compound of formula I as claimed in claim 1.

Claim 12. (original) The method of claim 11, further comprising administering one or more active compounds for reducing weight in mammals.